



# BAEXEM ARBORETUM

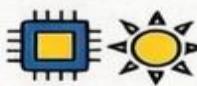
## Solar powered Website

Low-energy web ecosystem hosted on a solar server. A solution blending 60s traditions of botanical collection with modern digital sustainability. A website that lives and evolves in harmony with nature.



### NATURE HISTORY (History & Collection)

- **Established:** 1968, currently revived.
- **Live Collection:** 1600+ plants, 500-species.
- **Biodiversity:** Supports birds, insects & rare species.

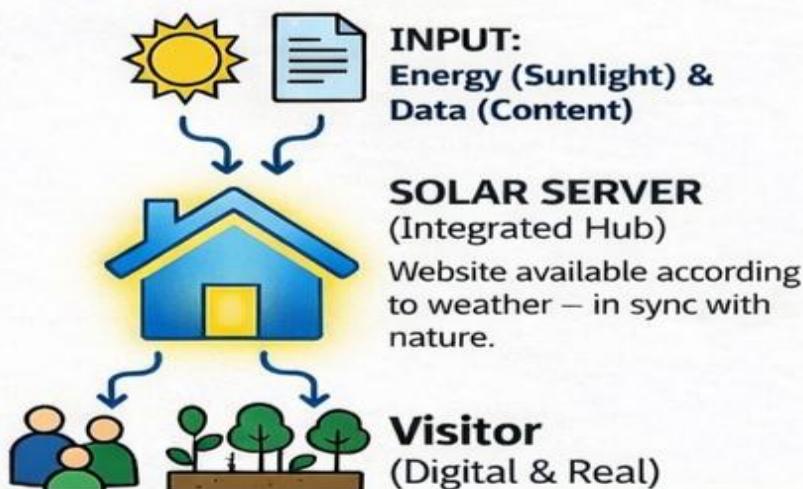


### TECHNICAL INFRASTRUCTURE (Tech Stack)

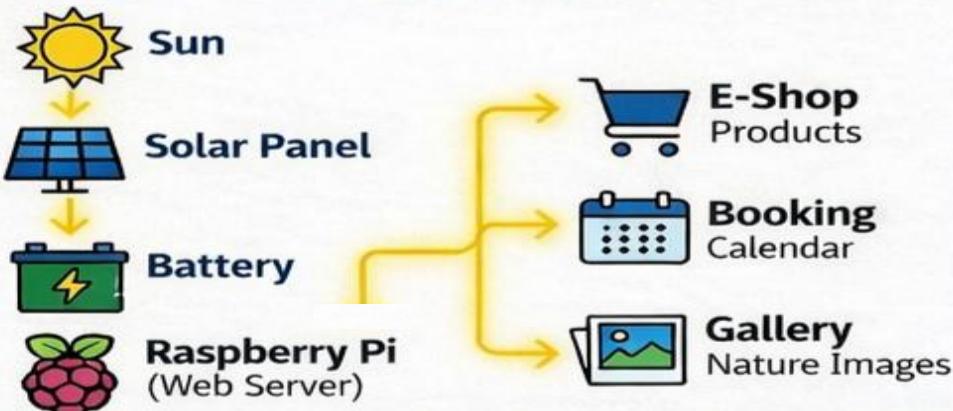
**Hardware:** Raspberry Pi  
**Power Source:** 100% Solar Panel + Battery.  
**Data Storage:** Photography, Archive  
**Optimization:** Minimalistic Code.



### SOLAR SERVER AS CENTRAL HUB (Input & Output Flow)



### ENERGY & FUNCTION FLOW VISUALIZATION



**CONCLUSION: PARADIGM SHIFT:** From physical to digital reality, Baexem Arboretum: A place for study, relaxation, and inspiration in the digital age.